

**TURBINE BRUSH SEAL****ABSTRACT OF THE DISCLOSURE**

[0051] A turbine brush seal is created between two members, one of which may rotate with respect to the other. A bonding agent, capable of withstanding temperatures above at least about 400° C for at least about 10,000 hours, is applied to one or both members, each of which may include a groove for application of the bonding agent. Flexible filaments, also capable of withstanding temperatures above at least about 400° C for at least about 10,000 hours, are then embedded into the bonding agent by, for example, electrostatic flocking. After the bonding agent solidifies, the turbine brush seal is created.